AION-C

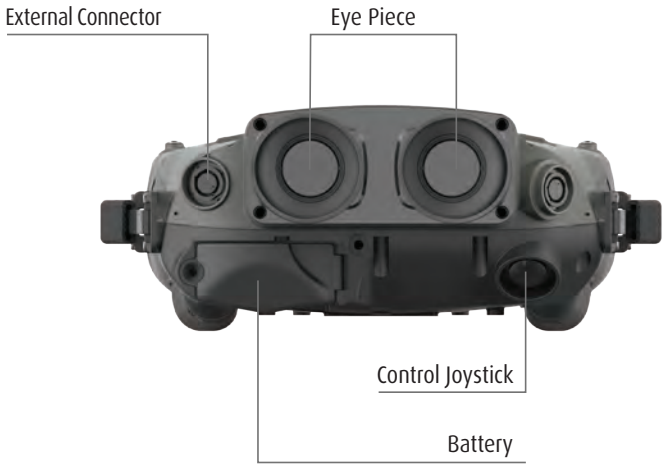
Advanced target locator and intelligence system

Elbit Systems™
ISTAR & EW

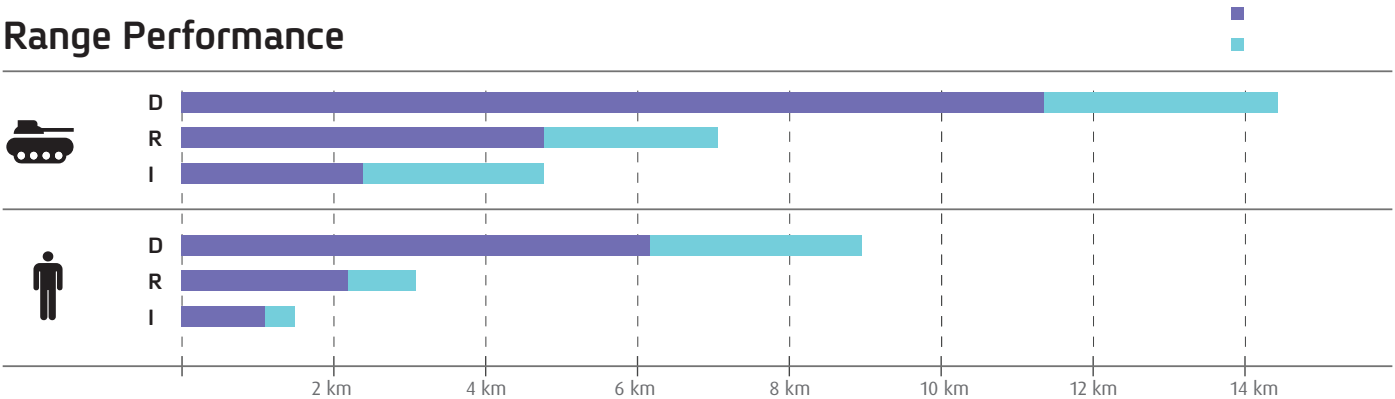
See-spot tracker
(STANAG 3733 compliant)

Extremely lightweight-
only 2.2kg

Enhanced situational awareness
by using augmented reality



Range Performance



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AION-C integrates powerful surveillance, target acquisition and reconnaissance technologies for day/night, delivering tactical superiority, increased operational effectiveness and battlefield situational awareness.

Accelerated sensor-to-shooter cycle:

- High-end components allow accurate target acquisition to rapidly close the sensor-to-shooter cycle
- Extremely accurate laser rangefinder (LRF)
- Internal GPS
- Digital Magnetic Compass (DMC) with inertial measurement unit (IMU)
- IR pointer
- Day/night see-spot capability

Wide-area terrain dominance:

- Unmatched capability for long-range observation
- Exceptionally wide field of view (FOV) – up to 36° in thermal channel
- Advanced AI analytics, with video motion detection (VMD) and automatic target recognition (ATR)
- Image fusion capabilities (day & thermal)

Seamless connectivity and integration:

The solution integrates with C⁴I, communication networks, and a range of Elbit's combat systems as part of Elbit Systems' future battlefield vision. AION-C is used as a front-line intelligence system in the hands of the field commander and serves as an immediate connection between the field unit and the network of systems.

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Features	AION-C
Image fusion	Thermal and day channels
Video & image recording	Saved and can be downloaded
See-spot	Day and night see-spot capability
Image stabilization	Stable observation (day & night)
Thermal Channel	
Spectral band	MWIR
IR detector resolution	640x512 pixels
Continuous optical zoom	X13
WFOV	36.4° x 29.1°
NFOV	2.64° x 2.12°
Day Channel	
Sensor	Color,18 Megapixels
Continuous digital zoom	X3.6
FOV	NFOV = 2.1° x 1.6° WFOV = 7.3° x 5.9°
Display	
Binocular	SXGA 1280x1024 pixels with diopter adjustment
Laser Rangefinder	
Wavelength	1.54µm
Laser safety	Eye Safe Class 1 according to IEC 60825-1
Accuracy	1meter @2sigma
Range	6km, NATO Target (2.3X2.3m), 15km Visibility
Laser Pointer	
Wavelength	830nm
DMC & IMU	
Azimuth accuracy	±0.5°
Elevation accuracy	±0.25°
GPS	
Accuracy	< 2.5m
Supported standards	GPS ,Galileo and Glonass
External Interfaces	
Video output	H.264
Power Supply	
Rechargeable battery pack	Integrated battery charger
Mission duration (25°C)	>4hrs
Physical	
Weight	2.2 kg
Environmental conditions	
Environmental conditions	MIL-STD 810 & MIL-STD 461

Security & Tactical EO Solutions – ELSEC
Industrial Area P.O.B 388 Sderot 8701302, Israel
E-mail: istar@elbitsystems.com www.elbitsystems.com

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